BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
PRE MEASUREMENTS

Name of work:Improvements to Road and Drains at Kogilu Layout in Ward No. 05, (Jakkur) Byatarayanapura sub Division
Work Order No: BBMP/EE/BTP/WO/57/2020-21 dt: 27.07.2020
JOB NUMBER: 005-20-000071
Estimate Cost: 250.00 lakhs.
Agency: Sri. K R Santhosh Kumar No:04 Samrudhi, AVR Block 1st A Main Virupakshapura Bangalore-97 25/07/20 – 25/08/2020

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No. 01		Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. and as per the directions of the Engineer-in-charge of the work .							
		Kogilu layout							
		8th Cross Road							
		LHS							
0	30		Cum	1	30.00	1.10	0.90	29.70	
30	60		Cum	1	30.00	1.10	0.90	29.70	
60	90		Cum	1	30.00	1.10	0.90	29.70	
90	94	No work	Cum	1	4.00	0.00	0.60	0.00	
94	112		Cum	1	18.15	1.10	0.90	17.97	
		RHS							
0	30		Cum	1	30.00	1.10	0.90	29.70	
30	60		Cum	1	30.00	1.10	0.90	29.70	
60	90		Cum	1	30.00	1.10	0.90	29.70	
90	114		Cum	1	23.70	1.10	0.90	23.46	
		Opp Brigade North 7th Cross Road							
		LHS							
0	30		Cum	1	30.00	1.10	1.00	33.00	
30	60		Cum	1	30.00	1.10	1.00	33.00	
60	90		Cum	1	30.00	1.10	1.00	33.00	
90	120		Cum	1	30.00	1.10	1.00	33.00	
120	150		Cum	1	30.00	1.10	1.00	33.00	
150	180		Cum	1	30.00	1.10	1.00	33.00	
180	190		Cum	1	10.40	1.10	1.00	11.44	
		Cross Road							
		LHS							
0	23.2		Cum	1	23.20	1.10	1.00	25.52	
		LHS							
0	22.8		Cum	1	22.80	1.10	1.00	25.08	

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Cross Road							
0	30		Cum	1	30.00	0.90	0.90	24.30	
30	41.4		Cum	1	11.40	0.90	0.90	9.23	
		7th cross							
		RHS							
0	30		Cum	1	30.00	1.20	1.10	39.60	
30	60		Cum	1	30.00	1.20	1.10	39.60	
60	90		Cum	1	30.00	1.20	1.10	39.60	
90	120		Cum	1	30.00	1.20	1.10	39.60	
120	150		Cum	1	30.00	1.20	1.10	39.60	
150	180		Cum	1	30.00	1.20	1.10	39.60	
180	195		Cum	1	15.00	1.20	1.10	19.80	
		Tip circle om Sakhti Temple							
		RHS							
0	30		Cum	1	30.00	1.20	0.90	32.40	
30	40.7		Cum	1	10.70	1.20	0.95	12.20	
		Cross Road							
		RHS							
0	10		Cum	1	10.00	1.20	0.90	10.80	
		Cross Road							
		LHS							
0	24		Cum	1	24.00	1.20	0.90	25.92	
		LHS							
0	26.2		Cum	1	26.20	1.20	0.90	28.30	
		Main Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.90	24.30	
30	60		Cum	1	30.00	0.90	0.90	24.30	
60	90		Cum	1	30.00	0.90	0.90	24.30	
90	120		Cum	1	30.00	0.90	0.90	24.30	
120	150		Cum	1	30.00	0.90	0.90	24.30	
150	180		Cum	1	30.00	0.90	0.90	24.30	
180	210		Cum	1	30.00	0.90	0.90	24.30	
210	240		Cum	1	30.00	0.90	0.90	24.30	
240	249		Cum	1	9.30	0.90	0.90	7.53	
		Cross Road							
		LHS							
0	25		Cum	1	25.00	1.20	1.05	31.50	
		RHS							
0	25		Cum	1	25.00	1.20	0.90	27.00	
		Cross Road							
		LHS							
0	30		Cum	1	30.00	1.20	1.05	37.80	
30	44		Cum	1	14.00	1.20	1.05	17.64	

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Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Cross Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.90	24.30	
30	57.1		Cum	1	27.10	0.90	0.90	21.95	
57.1	63.5	No work	Cum	1	6.40	0.00	0.30	0.00	
63.5	93.5		Cum	1	30.00	0.00	0.90	0.00	
93.5	124		Cum	1	30.00	0.90	0.90	24.30	
124	150		Cum	1	26.50	0.90	0.90	21.47	
		Cross Road							
		RHS							
0	30		Cum	1	30.00	0.90	0.90	24.30	
30	60		Cum	1	30.00	0.90	0.90	24.30	
60	77.8		Cum	1	17.80	0.90	0.90	14.42	
		Cross Road							
		LHS							
0	20		Cum	1	20.00	0.90	0.90	16.20	
		Cross Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.90	24.30	
30	60		Cum	1	30.00	0.90	0.90	24.30	
60	80		Cum	1	20.00	0.90	0.90	16.20	
		RHS							
0	30		Cum	1	30.00	0.90	0.90	24.30	
30	60		Cum	1	30.00	0.90	0.90	24.30	
60	90		Cum	1	30.00	0.90	0.90	24.30	
90	120		Cum	1	30.00	0.90	0.90	24.30	
120	129		Cum	1	9.20	0.90	0.90	7.45	
		Cross Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.90	24.30	
30	60		Cum	1	30.00	0.90	0.90	24.30	
60	75		Cum	1	15.00	0.90	0.90	12.15	
		Bande Road							
		LHS							
0	12.4		Cum	1	12.40	1.20	0.90	13.39	
		LHS							
0	19.8		Cum	1	19.80	1.20	0.90	21.38	
		LHS							
0	18.6		Cum	1	18.60	1.20	0.90	20.09	
		LHS							
0	19.8		Cum	1	19.80	1.20	0.90	21.38	

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		LHS							
0	9.3		Cum	1	9.30	1.20	0.90	10.04	
		RHS							
0	10.2		Cum	1	10.20	1.20	0.90	11.02	
		RHS							
0	20.1		Cum	1	20.10	1.20	0.90	21.71	
		RHS							
0	20		Cum	1	20.00	1.20	0.90	21.60	
		RHS							
0	19		Cum	1	19.00	1.20	0.90	20.52	
		RHS							
0	15.4		Cum	1	15.40	1.20	0.90	16.63	
		1st Cross							
		LHS							
0	30.9		Cum	1	30.90	0.90	0.90	25.03	
		2nd Cross							
		LHS							
0	30.5		Cum	1	30.50	0.90	0.90	24.71	
		3rd Cross							
		LHS							
0	32.1		Cum	1	32.10	0.90	0.90	26.00	
		4th Cross							
		LHS							
0	33		Cum	1	33.00	0.90	0.90	26.73	
		1st Cross							
		RHS							
0	24.2		Cum	1	24.20	0.90	0.90	19.60	
		2nd Cross							
		RHS							
0	25		Cum	1	25.00	0.90	0.90	20.25	
		3rd Cross							
		RHS							
0	25		Cum	1	25.00	0.90	0.90	20.25	
		4th Cross							
		RHS							
0	25		Cum	1	25.00	0.90	0.90	20.25	
		Old Side Drain							
0	30		Cum	1	30.00	0.90	0.90	24.30	

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
30	60		Cum	1	30.00	0.90	0.90	24.30	
60	90		Cum	1	30.00	0.90	0.90	24.30	
90	120		Cum	1	30.00	0.90	0.90	24.30	
120	140		Cum	1	20.00	0.90	0.90	16.20	
		Cross Road							
		LHS & RHS							
0	30		Cum	1	30.00	1.20	1.05	37.80	
30	60		Cum	1	30.00	1.20	1.05	37.80	
60	90		Cum	1	30.00	1.20	1.05	37.80	
90	120		Cum	1	30.00	1.20	1.05	37.80	
120	150		Cum	1	30.00	1.20	1.05	37.80	
150	180		Cum	1	30.00	1.20	1.05	37.80	
180	210		Cum	1	30.00	1.20	1.05	37.80	
210	251		Cum	1	41.00	1.20	1.05	51.66	
		Culvert							
			Cum	1	5	1.60	1.00	8.00	
			Cum	1	5	1.50	0.90	6.75	
		LHS	Cum	1	6.2	1.80	1.05	11.72	
			Cum	1	6.2	1.50	1.25	11.63	
			Cum	1	5	1.80	1.05	9.45	
			Cum	1	5.6	1.80	1.05	10.58	
			Cum	1	5	1.80	1.05	9.45	
			Cum	1	5.3	1.80	1.15	10.97	
		Bande Road							
			Cum	1	4.3	1.80	1.05	8.13	
			Cum	1	5	1.80	1.05	9.45	
			Cum	1	5.6	1.80	1.05	10.58	
			Cum	1	5.05	1.80	1.05	9.54	
			Cum	1	3.8	1.80	1.05	7.18	
			Cum	1	5	1.80	1.05	9.45	
			Cum	1	4.3	1.80	1.05	8.13	
			Cum	1	3.2	1.50	1.05	5.04	

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Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
			Cum	1	5.7	1.80	1.00	10.26	
		Cross Road							
			Cum	1	6.5	1.80	1.05	12.29	
			Cum	1	6.3	1.80	1.00	11.34	
			Cum	1	6.5	1.80	1.00	11.70	
			Cum	1	6.6	1.80	1.00	11.88	
		Over Burden							
			Cum	1	87	1.20	0.60	62.64	
							TOTAL	2653.93	

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub-Division

BVH Consulting Engineers Pvt. Ltd. Bangalore

Scanned by CamScanner

01/08/20 — 10/09/20

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 02		Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		Kogilu layout							
		Apporch Concrete Side Drain	Cum	1	4.00	1.00	0.10	0.40	
		Cross Road							
0	30		Cum	1	30.00	4.00	0.10	12.00	
30	60		Cum	1	30.00	2.00	0.10	6.00	
60	63		Cum	1	3.00	2.00	0.10	0.60	
		7th Cross Rhs Side Drain Apporch	Cum	1	8.00	1.00	0.10	0.80	
		Culvert Apporch Concrete	Cum	1	5.00	1.00	0.10	0.50	
		Culvert Apporch Concrete RHS	Cum	1	6.00	1.00	0.10	0.60	
		Culvert Apporch Concrete LHS	Cum	1	3.00	1.00	0.10	0.30	
		Road Apporch Concrete	Cum	1	3.00	3.00	0.10	0.90	
		Road Apporch Concrete	Cum	1	2.00	3.00	0.10	0.60	
		Road Apporch Concrete	Cum	1	6.00	1.00	0.10	0.60	
							0.10		
		Side Drain Apporch	Cum	1	4.00	1.00	0.10	0.40	
		Side Drain Apporch	Cum	1	4.00	1.00	0.10	0.40	
							0.10		
							0.10		
		Culvert Apporch Concrete RHS	Cum	2	6.00	1.00	0.10	1.20	
		Cross Road							
0	30		Cum	1	30.00	6.00	0.15	27.00	
30	60		Cum	1	30.00	5.00	0.15	22.50	
60	90		Cum	1	30.00	5.00	0.15	22.50	
90	100		Cum	1	10.00	5.00	0.15	7.50	
		1st Cross LHS							
0	30.9		Cum	1	31.00	4.00	0.10	12.40	

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		2nd Cross LHS							
0	30.5		Cum	1	31.00	5.00	0.10	15.50	
		3rd Cross LHS							
0	32.1		Cum	1	32.00	5.00	0.10	16.00	
		4th Cross LHS							
0	33		Cum	1	33.00	5.00	0.10	16.50	
		1st Cross RHS							
0	24.2		Cum	1	24.00	3.00	0.10	7.20	
		2nd Cross RHS							
0	25		Cum	1	25.00	5.00	0.10	12.50	
		3rd Cross RHS							
0	25		Cum	1	25.00	5.00	0.10	12.50	
		4th Cross RHS							
0	25		Cum	1	25.00	5.00	0.10	12.50	
							TOTAL	209.90	
							Quantity Limited To	201.24	

10/09/20

Assistant Engineer
Ward No. 05

10/9/2020

Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

11/10/20 – 20/11/20

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 03		Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per							
		Cross Road							
0	30		Cum	1	30	3.95	0.15	17.775	
30	63		Cum	1	33	2.2	0.15	10.89	
		Kogilu layout							
		Apporch Concrete Side Drain	Cum	1	4.00	1.00	0.15	0.60	
		7th Cross Rhs Side Drain Apporch	Cum	1	8.00	1.00	0.15	1.20	
		Culvert Apporch Concrete	Cum	1	5.00	1.00	0.15	0.75	
		Culvert Apporch Concrete Rhs	Cum	1	6.00	1.00	0.15	0.90	
		Culvert Apporch Concrete Lhs	Cum	1	3.00	1.00	0.15	0.45	
		Road Apporch Concrete	Cum	1	3.00	3.00	0.15	1.35	
		Road Apporch Concrete	Cum	1	2.00	3.00	0.15	0.90	
		Road Apporch Concrete	Cum	1	6.00	1.00	0.15	0.90	
		Side Drain Apporch	Cum	1	4.00	1.00	0.15	0.60	
		Side Drain Apporch	Cum	1	4.00	1.00	0.15	0.60	
		Culvert Apporch Concrete Rhs	Cum	2	6.00	1.00	0.15	1.80	
		Road Cut Portion							
		8th Cross Road							
		LHS							
0	30		Cum	1	30.00	0.40	0.15	1.80	
30	60		Cum	1	30.00	0.40	0.15	1.80	
60	90		Cum	1	30.00	0.40	0.15	1.80	
90	94	No work	Cum	1	4.00	0.40	0.15	0.24	
94	112		Cum	1	18.00	0.40	0.15	1.08	

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		RHS							
0	30		Cum	1	30.00	0.40	0.15	1.80	
30	60		Cum	1	30.00	0.40	0.15	1.80	
60	90		Cum	1	30.00	0.40	0.15	1.80	
90	114		Cum	1	23.70	0.40	0.15	1.42	
		Opp Brigade North 7th Cross Road							
		LHS							
0	30		Cum	1	30.00	0.45	0.15	2.03	
30	60		Cum	1	30.00	0.45	0.15	2.03	
60	90		Cum	1	30.00	0.45	0.15	2.03	
90	120		Cum	1	30.00	0.45	0.15	2.03	
120	150		Cum	1	30.00	0.45	0.15	2.03	
150	180		Cum	1	30.00	0.45	0.15	2.03	
180	190		Cum	1	10.40	0.45	0.15	0.70	
		Cross Road							
0	30		Cum	1	30.00	0.45	0.15	2.03	
30	41.4		Cum	1	11.40	0.45	0.15	0.77	
		7th cross							
		RHS							
0	30		Cum	1	30.00	0.40	0.15	1.80	
30	60		Cum	1	30.00	0.40	0.15	1.80	
60	90		Cum	1	30.00	0.40	0.15	1.80	
90	120		Cum	1	30.00	0.40	0.15	1.80	
120	150		Cum	1	30.00	0.40	0.15	1.80	
150	180		Cum	1	30.00	0.40	0.15	1.80	
180	195		Cum	1	15.00	0.40	0.15	0.90	
		Cross Road							
		LHS							
0	23.2		Cum	1	23.20	0.45	0.15	1.57	
		LHS							
0	22.8		Cum	1	22.80	0.45	0.15	1.54	
							TOTAL	82.75	

20/11/20

Assistant Engineer
Ward No. 05

20.11.20

Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

12/10/20 — 05/12/20

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 04		Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the direction of Engineer in charge of the work.							
		Kogilu layout							
		8th Cross Road							
		LHS							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	60		Cum	1	30.00	1.10	0.15	4.95	
60	90		Cum	1	30.00	1.10	0.15	4.95	
90	94	No work	Cum	1	4.00	0.00	0.00	0.00	
94	112		Cum	1	18.15	1.10	0.15	2.99	
		RHS							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	60		Cum	1	30.00	1.10	0.15	4.95	
60	90		Cum	1	30.00	1.10	0.15	4.95	
90	114		Cum	1	23.70	1.10	0.15	3.91	
		Opp Brigade North 7th Cross Road							
		LHS							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	60		Cum	1	30.00	1.10	0.15	4.95	
60	90		Cum	1	30.00	1.10	0.15	4.95	
90	120		Cum	1	30.00	1.10	0.15	4.95	
120	150		Cum	1	30.00	1.10	0.15	4.95	
150	180		Cum	1	30.00	1.10	0.15	4.95	
180	190		Cum	1	10.40	1.10	0.15	1.72	
		Cross Road							
		LHS							
0	23.2		Cum	1	23.20	1.10	0.15	3.83	
		LHS							
0	22.8		Cum	1	22.80	1.10	0.15	3.76	
		Cross Road							
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	41.4		Cum	1	11.40	0.90	0.15	1.54	
		7th cross							
		RHS							
0	30		Cum	1	30.00	1.20	0.15	5.40	
30	60		Cum	1	30.00	1.20	0.15	5.40	
60	90		Cum	1	30.00	1.20	0.15	5.40	
90	120		Cum	1	30.00	1.20	0.15	5.40	
120	150		Cum	1	30.00	1.20	0.15	5.40	
150	180		Cum	1	30.00	1.20	0.15	5.40	
180	195		Cum	1	15.00	1.20	0.15	2.70	
		Tip circle om Sakhti Temple							

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		RHS							
0	30		Cum	1	30.00	1.20	0.15	5.40	
30	40.7		Cum	1	10.70	1.20	0.15	1.93	
		Cross Road							
		RHS							
0	10		Cum	1	10.00	1.20	0.15	1.80	
		Cross Road							
		LHS							
0	24		Cum	1	24.00	1.20	0.15	4.32	
		LHS							
0	26.2		Cum	1	26.20	1.20	0.15	4.72	
		Main Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	60		Cum	1	30.00	0.90	0.15	4.05	
60	90		Cum	1	30.00	0.90	0.15	4.05	
90	120		Cum	1	30.00	0.90	0.15	4.05	
120	150		Cum	1	30.00	0.90	0.15	4.05	
150	180		Cum	1	30.00	0.90	0.15	4.05	
180	210		Cum	1	30.00	0.90	0.15	4.05	
210	240		Cum	1	30.00	0.90	0.15	4.05	
240	249		Cum	1	9.30	0.90	0.15	1.26	
		Cross Road							
		LHS							
0	25		Cum	1	25.00	1.20	0.15	4.50	
0	0	RHS							
0	25		Cum	1	25.00	1.20	0.15	4.50	
		Cross Road							
		LHS							
0	30		Cum	1	30.00	1.20	0.15	5.40	
30	44		Cum	1	14.00	1.20	0.15	2.52	
		Cross Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	57.1		Cum	1	27.10	0.90	0.15	3.66	
57.1	63.5	No work	Cum	1	6.40	0.00	0.15	0.00	
63.5	93.5		Cum	1	30.00	0.00	0.15	0.00	
93.5	124		Cum	1	30.00	0.90	0.15	4.05	
124	150		Cum	1	26.50	0.90	0.15	3.58	
		Cross Road							
		RHS							
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	60		Cum	1	30.00	0.90	0.15	4.05	
60	77.8		Cum	1	17.80	0.90	0.15	2.40	
		Cross Road							
		LHS							
0	20	0	Cum	1	20.00	0.90	0.15	2.70	
		Cross Road							
		LHS							

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	60		Cum	1	30.00	0.90	0.15	4.05	
60	80		Cum	1	20.00	0.90	0.15	2.70	
		RHS							
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	60		Cum	1	30.00	0.90	0.15	4.05	
60	90		Cum	1	30.00	0.90	0.15	4.05	
90	120		Cum	1	30.00	0.90	0.15	4.05	
120	129		Cum	1	9.20	0.90	0.15	1.24	
		Cross Road							
		LHS							
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	60		Cum	1	30.00	0.90	0.15	4.05	
60	75		Cum	1	15.00	0.90	0.15	2.03	
		Bande Road							
		LHS							
0	12.4		Cum	1	12.40	1.20	0.15	2.23	
		LHS							
0	19.8		Cum	1	19.80	1.20	0.15	3.56	
		LHS							
0	18.6		Cum	1	18.60	1.20	0.15	3.35	
		LHS							
0	19.8		Cum	1	19.80	1.20	0.15	3.56	
		LHS							
0	9.3		Cum	1	9.30	1.20	0.15	1.67	
		RHS							
0	10.2		Cum	1	10.20	1.20	0.15	1.84	
		RHS							
0	20.1		Cum	1	20.10	1.20	0.15	3.62	
		RHS							
0	20		Cum	1	20.00	1.20	0.15	3.60	
		RHS							
0	19		Cum	1	19.00	1.20	0.15	3.42	
		RHS							
0	15.4		Cum	1	15.40	1.20	0.15	2.77	
		1st Cross							
		LHS							
0	30.9		Cum	1	30.90	0.90	0.15	4.17	
		2nd Cross							

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		LHS							
0	30.5		Cum	1	30.50	0.90	0.15	4.12	
		3rd Cross							
		LHS							
0	32.1		Cum	1	32.10	0.90	0.15	4.33	
		4th Cross							
		LHS							
0	33		Cum	1	33.00	0.90	0.15	4.46	
		1st Cross							
		RHS							
0	24.2		Cum	1	24.20	0.90	0.15	3.27	
		2nd Cross							
		RHS							
0	25		Cum	1	25.00	0.90	0.15	3.38	
		3rd Cross							
		RHS							
0	25		Cum	1	25.00	0.90	0.15	3.38	
		4th Cross							
		RHS							
0	25		Cum	1	25.00	0.90	0.15	3.38	
		Old Side Drain							
0	30		Cum	1	30.00	0.90	0.15	4.05	
30	60		Cum	1	30.00	0.90	0.15	4.05	
60	90		Cum	1	30.00	0.90	0.15	4.05	
90	120		Cum	1	30.00	0.90	0.15	4.05	
120	140		Cum	1	20.00	0.90	0.15	2.70	
		Cross Road							
		LHS & RHS							
0	30		Cum	1	30.00	1.20	0.15	5.40	
30	60		Cum	1	30.00	1.20	0.15	5.40	
60	90		Cum	1	30.00	1.20	0.15	5.40	
90	120		Cum	1	30.00	1.20	0.15	5.40	
120	150		Cum	1	30.00	1.20	0.15	5.40	
150	180		Cum	1	30.00	1.20	0.15	5.40	
180	210		Cum	1	30.00	1.20	0.15	5.40	
210	251		Cum	1	41.00	1.20	0.15	7.38	

Scanned by CamScanner

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Culvert							
			Cum	1	5.00	1.60	0.15	1.20	
			Cum	1	5.00	1.50	0.15	1.13	
		LHS	Cum	1	6.20	1.80	0.15	1.67	
			Cum	1	6.20	1.50	0.15	1.40	
			Cum	1	5.00	1.80	0.15	1.35	
			Cum	1	5.60	1.80	0.15	1.51	
			Cum	1	5.00	1.80	0.15	1.35	
			Cum	1	5.30	1.80	0.15	1.43	
		Bande Road							
			Cum	1	4.30	1.80	0.15	1.16	
			Cum	1	5.00	1.80	0.15	1.35	
			Cum	1	5.60	1.80	0.15	1.51	
			Cum	1	5.05	1.80	0.15	1.36	
			Cum	1	3.80	1.80	0.15	1.03	
			Cum	1	5.00	1.80	0.15	1.35	
			Cum	1	4.30	1.80	0.15	1.16	
			Cum	1	3.20	1.50	0.15	0.72	
			Cum	1	5.70	1.80	0.15	1.54	
		Cross Road							
			Cum	1	6.5	1.8	0.15	1.76	
			Cum	1	6.3	1.8	0.15	1.70	
			Cum	1	6.5	1.8	0.15	1.76	
			Cum	1	6.6	1.8	0.15	1.78	
							TOTAL	405.37	
							Quantity Limited To	382.37	

BVH Consulting Engineers Pvt. Ltd. Bangalore

03/12/20

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

02/8/20 — 10/9/20

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.06		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the direction of Engineer in charge of the work.							

		Description	BAR DIA mm	Spacing in m	Total No. Of Bars	Length in Meter	Total Length m	Weight kg/m	Total weight Kg's
		8th Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	722	2	1732.80	0.89	1540.460
		Distribution (#8@200 c/c)	8	0.20	12	108	1297.80	0.40	512.630
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	759	2	1821.60	0.89	1619.400
		Distribution (#8@200 c/c)	8	0.20	12	114	1364.40	0.40	538.940
		Opp Brigade North 7th Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	1270	2	3048.00	0.89	2709.670
		Distribution (#8@200 c/c)	8	0.20	12	190	2284.80	0.40	902.500
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	156	2	374.40	0.89	332.840
		Distribution (#8@200 c/c)	8	0.20	12	23	278.40	0.40	109.970
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	153	2	367.20	0.89	326.440
		Distribution (#8@200 c/c)	8	0.20	12	23	273.60	0.40	108.070
		Cross Road							
		Main Bars (#12@150 c/c)	12	0.15	277	2	664.80	0.89	591.010
		Distribution (#8@200 c/c)	8	0.20	12	41	496.80	0.40	196.240

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		7th cross							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	1301	2	3122.40	0.89	2775.810
		Distribution (#8@200 c/c)	8	0.20	12	195	2340.00	0.40	924.300
		Tip circle om Sakhti Temple							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	272	2	652.80	0.89	580.340
		Distribution (#8@200 c/c)	8	0.20	12	41	488.40	0.40	192.920
		Cross Road							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	68	2	163.20	0.89	145.080
		Distribution (#8@200 c/c)	8	0.20	12	10	120.00	0.40	47.400
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	161	2	386.40	0.89	343.510
		Distribution (#8@200 c/c)	8	0.20	12	24	288.00	0.40	113.760
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	176	2	422.40	0.89	375.510
		Distribution (#8@200 c/c)	8	0.20	12	26	314.40	0.40	124.190
		Main Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	1663	2	3991.20	0.89	3548.180
		Distribution (#8@200 c/c)	8	0.20	12	249	2991.60	0.40	1181.680
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	168	2	403.20	0.89	358.440
		Distribution (#8@200 c/c)	8	0.20	12	25	300.00	0.40	118.500
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	168	2	403.20	0.89	358.440
		Distribution (#8@200 c/c)	8	0.20	12	25	300.00	0.40	118.500

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	294	2	705.60	0.89	627.280
		Distribution (#8@200 c/c)	8	0.20	12	44	528.00	0.40	208.560
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	958	2	2299.20	0.89	2043.990
		Distribution (#8@200 c/c)	8	0.20	12	144	1723.20	0.40	680.660
		Cross Road							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	520	2	1248.00	0.89	1109.470
		Distribution (#8@200 c/c)	8	0.20	12	78	933.60	0.40	368.770
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	134	2	321.60	0.89	285.900
		Distribution (#8@200 c/c)	8	0.20	12	20	240.00	0.40	94.800
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	534	2	1281.60	0.89	1139.340
		Distribution (#8@200 c/c)	8	0.20	12	80	960.00	0.40	379.200
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	862	2	2068.80	0.89	1839.160
		Distribution (#8@200 c/c)	8	0.20	12	129	1550.40	0.40	612.410
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	501	2	1202.40	0.89	1068.930
		Distribution (#8@200 c/c)	8	0.20	12	75	900.00	0.40	355.500
		Bande Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	84	2	201.60	0.89	179.220
		Distribution (#8@200 c/c)	8	0.20	12	12	148.80	0.40	58.780

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	133	2	319.20	0.89	283.770
		Distribution (#8@200 c/c)	8	0.20	12	20	237.60	0.40	93.850
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	125	2	300.00	0.89	266.700
		Distribution (#8@200 c/c)	8	0.20	12	19	223.20	0.40	88.160
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	133	2	319.20	0.89	283.770
		Distribution (#8@200 c/c)	8	0.20	12	20	237.60	0.40	93.850
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	63	2	151.20	0.89	134.420
		Distribution (#8@200 c/c)	8	0.20	12	9	111.60	0.40	44.080
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	69	2	165.60	0.89	147.220
		Distribution (#8@200 c/c)	8	0.20	12	10	122.40	0.40	48.350
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	135	2	324.00	0.89	288.040
		Distribution (#8@200 c/c)	8	0.20	12	20	241.20	0.40	95.270
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	134	2	321.60	0.89	285.900
		Distribution (#8@200 c/c)	8	0.20	12	20	240.00	0.40	94.800
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	128	2	307.20	0.89	273.100
		Distribution (#8@200 c/c)	8	0.20	12	19	228.00	0.40	90.060
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	104	2	249.60	0.89	221.890
		Distribution (#8@200 c/c)	8	0.20	12	15	184.80	0.40	73.000

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Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		1st Cross							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	207	2	496.80	0.89	441.660
		Distribution (#8@200 c/c)	8	0.20	12	31	370.80	0.40	146.470
		2nd Cross							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	204	2	489.60	0.89	435.250
		Distribution (#8@200 c/c)	8	0.20	12	31	366.00	0.40	144.570
		3rd Cross							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	215	2	516.00	0.89	458.720
		Distribution (#8@200 c/c)	8	0.20	12	32	385.20	0.40	152.150
		4th Cross							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	221	2	530.40	0.89	471.530
		Distribution (#8@200 c/c)	8	0.20	12	33	396.00	0.40	156.420
		1st Cross							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	162	2	388.80	0.89	345.640
		Distribution (#8@200 c/c)	8	0.20	12	24	290.40	0.40	114.710
		2nd Cross							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	168	2	403.20	0.89	358.440
		Distribution (#8@200 c/c)	8	0.20	12	25	300.00	0.40	118.500
		3rd Cross							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	168	2	403.20	0.89	358.440
		Distribution (#8@200 c/c)	8	0.20	12	25	300.00	0.40	118.500
		4th Cross							
		RHS							
		Main Bars (#12@150 c/c)	12	0.15	168	2	403.20	0.89	358.440
		Distribution (#8@200 c/c)	8	0.20	12	25	300.00	0.40	118.500
		Old Side Drain							

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Main Bars (#12@150 c/c)	12	0.15	934	2	2241.60	0.89	1992.780
		Distribution (#8@200 c/c)	8	0.20	12	140	1680.00	0.40	663.600
		Cross Road							
		LHS							
		Main Bars (#12@150 c/c)	12	0.15	1674	2	4017.60	0.89	3571.650
		Distribution (#8@200 c/c)	8	0.20	12	251	3012.00	0.40	1189.740
							Total		46468.6
							QTY IN TONNE		46.47
		Culvert							
		Kogilu layout							
		8th Cross Road							
		LHS							
		Culvert							
		Main Bars outer face (#16@180 c/c)	16	0.17	30	3	96.00	1.58	151.680
		Main Bars inner face (#16@180 c/c)	16	0.17	30	3	81.00	1.58	127.980
		Distribution							
		Distribution (#10@250 c/c)	10	0.20	16	5	80.00	0.62	49.360
		Distribution (#10@250 c/c)	10	0.20	14	5	70.00	0.62	43.190
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	30	3	96.00	1.58	151.680
		Main Bars inner face (#16@170 c/c)	16	0.17	30	3	81.00	1.58	127.980
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	5	80.00	0.62	49.360
		Distribution (#10@200 c/c)	10	0.20	14	5	70.00	0.62	43.190
		LHS							
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	37	3	118.40	1.58	187.070

Scanned by CamScanner

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Main Bars inner face (#16@170 c/c)	16	0.17	37	3	99.90	1.58	157.840
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	6	99.20	0.62	61.210
		Distribution (#10@200 c/c)	10	0.20	14	6	86.80	0.62	53.560
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	37	3	118.40	1.58	187.070
		Main Bars inner face (#16@170 c/c)	16	0.17	37	3	99.90	1.58	157.840
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	6	99.20	0.62	61.210
		Distribution (#10@200 c/c)	10	0.20	14	6	86.80	0.62	53.560
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	30	3	96.00	1.58	151.680
		Main Bars inner face (#16@170 c/c)	16	0.17	30	3	81.00	1.58	127.980
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	5	80.00	0.62	49.360
		Distribution (#10@200 c/c)	10	0.20	14	5	70.00	0.62	43.190
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	34	3	108.80	1.58	171.900
		Main Bars inner face (#16@170 c/c)	16	0.17	34	3	91.80	1.58	145.040
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	6	89.60	0.62	55.280
		Distribution (#10@200 c/c)	10	0.20	14	6	78.40	0.62	48.370
		Culvert							

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Distribution (#10@200 c/c)	10	0.20	14	5	70.00	0.62	43.190
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	34	3	108.80	1.58	171.900
		Main Bars inner face (#16@170 c/c)	16	0.17	34	3	91.80	1.58	145.040
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	6	89.60	0.62	55.280
		Distribution (#10@200 c/c)	10	0.20	14	6	78.40	0.62	48.370
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	31	3	99.20	1.58	156.740
		Main Bars inner face (#16@170 c/c)	16	0.17	31	3	83.70	1.58	132.250
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	5	80.80	0.62	49.850
		Distribution (#10@200 c/c)	10	0.20	14	5	70.70	0.62	43.620
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	23	3	73.60	1.58	116.290
		Main Bars inner face (#16@170 c/c)	16	0.17	23	3	62.10	1.58	98.120
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	4	60.80	0.62	37.510
		Distribution (#10@200 c/c)	10	0.20	14	4	53.20	0.62	32.820
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	30	3	96.00	1.58	151.680
		Main Bars inner face (#16@170 c/c)	16	0.17	30	3	81.00	1.58	127.980

Scanned by CamScanner

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	5	80.00	0.62	49.360
		Distribution (#10@200 c/c)	10	0.20	14	5	70.00	0.62	43.190
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	26	3	83.20	1.58	131.460
		Main Bars inner face (#16@170 c/c)	16	0.17	26	3	70.20	1.58	110.920
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	4	68.80	0.62	42.450
		Distribution (#10@200 c/c)	10	0.20	14	4	60.20	0.62	37.140
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	20	3	64.00	1.58	101.120
		Main Bars inner face (#16@170 c/c)	16	0.17	20	3	54.00	1.58	85.320
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	3	51.20	0.62	31.590
		Distribution (#10@200 c/c)	10	0.20	14	3	44.80	0.62	27.640
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	35	3	112.00	1.58	176.960
		Main Bars inner face (#16@170 c/c)	16	0.17	35	3	94.50	1.58	149.310
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	6	91.20	0.62	56.270
		Distribution (#10@200 c/c)	10	0.20	14	6	79.80	0.62	49.240
		Cross Road							
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	39	3	124.80	1.58	197.180

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Main Bars inner face (#16@170 c/c)	16	0.17	39	3	105.30	1.58	166.370
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	7	104.00	0.62	64.170
		Distribution (#10@200 c/c)	10	0.20	14	7	91.00	0.62	56.150
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	38	3	121.60	1.58	192.130
		Main Bars inner face (#16@170 c/c)	16	0.17	38	3	102.60	1.58	162.110
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	6	100.80	0.62	62.190
		Distribution (#10@200 c/c)	10	0.20	14	6	88.20	0.62	54.420
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	39	3	124.80	1.58	197.180
		Main Bars inner face (#16@170 c/c)	16	0.17	39	3	105.30	1.58	166.370
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	7	104.00	0.62	64.170
		Distribution (#10@200 c/c)	10	0.20	14	7	91.00	0.62	56.150

3/9/20

Scanned by CamScanner

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Culvert							
		Main Bars outer face (#16@170 c/c)	16	0.17	40	3	128.00	1.58	202.240
		Main Bars innerface (#16@170 c/c)	16	0.17	40	3	108.00	1.58	170.640
		Distribution							
		Distribution (#10@200 c/c)	10	0.20	16	7	105.60	0.62	65.160
		Distribution (#10@200 c/c)	10	0.20	14	7	92.40	0.62	57.010
								Total	8312.43
								QTY IN TONNE	8.31
		TOTAL QTY IN KG'S							54781.1
		TOTAL QTY IN TONNE							54.78
		QUANTITY LIMITED TO							54.74

10/9/20

Assistant Engineer
Ward No. 05

BVH Consulting Engineers Pvt. Ltd. Bangalore

10/9/22

Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.09		Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the direction of Engineer in charge of the work.							
		Cross Road							
0	30		Sqm	1	30	3.95		118.5	
30	63		Sqm	1	33	2.2		72.6	
							TOTAL	191.10	

30/9/20

Assistant Engineer
Ward No. 05

30/9/2020

Assistant Executive Engineer
Byatarayanapura Sub Division

BVH Consulting Engineers Pvt. Ltd. Bangalore

Scanned by CamScanner

20/9/20 – 20/10/20

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.10		Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification and as per the direction of Engineer in charge of the work.							
		Cross Road							
0	30		Cum	1	30	5.45	0.20	32.7	
30	60		Cum	1	30	5.25	0.20	31.5	
60	90		Cum	1	30	5.40	0.20	32.4	
90	100		Cum	1	10.42	5.10	0.20	10.6284	
		1st Cross LHS							
0	30.9		Cum	1	30.9	3.70	0.20	22.87	
		2nd Cross LHS							
0	30.5		Cum	1	30.5	5.00	0.20	30.50	
		3rd Cross LHS							
0	32.1		Cum	1	32.1	5.15	0.20	33.06	
		4th Cross LHS							
0	33		Cum	1	33	5.20	0.20	34.32	
		1st Cross RHS							
0	24.2		Cum	1	24.2	2.45	0.20	11.86	
		2nd Cross RHS							
0	25		Cum	1	25	5.10	0.20	25.50	
0	25	3rd Cross RHS	Cum	1	25	5.05	0.20	25.25	
		4th Cross RHS							
0	25		Cum	1	25	5.45	0.20	27.25	
							TOTAL	317.84	
							Quantity Limited To	298.88	

20/10/20

Assistant Engineer
Ward No. 05

20/10/2020

Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

20/10/20 – 22/10/20

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.11		Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications and as per the direction of Engineer in charge of the work.							
		Cross Road							
0	30		Sqm	1	30	5.45		163.5	
30	60		Sqm	1	30	5.25		157.5	
60	90		Sqm	1	30	5.40		162	
90	100		Sqm	1	10.42	5.10		53.142	
		1st Cross LHS							
0	30.9		Sqm	1	30.9	3.70		114.33	
		2nd Cross LHS							
0	30.5		Sqm	1	30.5	5.00		152.5	
		3rd Cross LHS							
0	32.1		Sqm	1	32.1	5.15		165.315	
		4th Cross LHS							
0	33		Sqm	1	33	5.20		171.6	
		1st Cross RHS							
0	24.2		Sqm	1	24.2	2.45		59.29	
		2nd Cross RHS							
0	25		Sqm	1	25	5.10		127.5	
0	25	3rd Cross RHS	Sqm	1	25	5.05		126.25	
		4th Cross RHS							
0	25		Sqm	1	25	5.45		136.25	
							TOTAL	1589.18	

Assistant Engineer
Ward No. 05

22/10/20

Assistant Executive Engineer
Byatarayanapura Sub Division
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22/10/2020

H Consulting Engineers Pvt. Ltd. Bangalore

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23/10/20 – 26/10/20

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.12		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt aterial, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the direction of Engineer in charge of the work.							
		Cross Road							
0	30		Cum	1	30	5.45	0.15	24.525	
30	60		Cum	1	30	5.25	0.15	23.625	
60	90		Cum	1	30	5.40	0.15	24.3	
90	100		Cum	1	10.42	5.10	0.15	7.9713	
		1st Cross LHS							
0	30.9		Cum	1	30.9	3.70	0.15	17.15	
		2nd Cross LHS							
0	30.5		Cum	1	30.5	5.00	0.15	22.88	
		3rd Cross LHS							
0	32.1		Cum	1	32.1	5.15	0.15	24.80	
		4th Cross LHS							
0	33		Cum	1	33	5.20	0.15	25.74	
		1st Cross RHS							
0	24.2		Cum	1	24.2	2.45	0.15	8.89	
		2nd Cross RHS							
0	25		Cum	1	25	5.10	0.15	19.13	
0	25	3rd Cross RHS	Cum	1	25	5.05	0.15	18.94	
		4th Cross RHS							
0	25		Cum	1	25	5.45	0.15	20.44	
							TOTAL	238.39	
							Quantity Limited To	224.16	

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

Consulting Engineers Pvt. Ltd. Bangalore

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